

[Live Dead Live – Voltmeter Operability Tester]

Abstract

Methods and apparatus for performing a "safe working practice" known as a live-dead-live test on a voltmeter to confirm that the meter is operational before being relied upon to verify an electrical circuit, component, device and/or equipment is de-energized. The live-dead-live tester is transported to the location at which the voltmeter will be used to verify an electrical circuit, component, device and/or equipment is de-energized. The voltmeter is set to read either AC or DC voltage. The voltage selection switch on the live-dead-live tester is then moved from the "off" position to the position that will output the same type of voltage that the voltmeter is set to indicate. The LED for the type of voltage selected on the LDL will then illuminate, indicating that the LDL battery is good and that it is supplying the output selected. The voltmeter operability will then be verified. If the voltmeter is operable and its indication is correct the test probes, test leads and sensing and display circuits have now been verified to be intact. The voltmeter can now be used to verify the circuit under test is de-

energized. After the circuit has been verified de-energized and prior to starting work the voltmeter is once again tested using the same method described above to verify that the meter did not fail during the circuit testing process.